

5/18/07

Sheet 1 of 1

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application Number	10/531,357
	Filing Date	September 22, 2005
	First Named Inventor	Green
	Art Unit	1638
	Examiner Name	Bui, Phuong T.
	Attorney Docket Number	38-05

### U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)

### FOREIGN PATENT DOCUMENTS

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/PB/		WO 99/18118	04-15-1999	Washington State University Research Foundation		

### NON-PATENT LITERATURE DOCUMENTS

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/PB/		DATABASE EMBL (2003) "Malus x domestica (E,E)- $\alpha$ -farnesene synthase (AFS1) mRNA, complete cds." EBI accession No. EMBL:AY182241	
↓		GREEN, S. et al. (2007) "Unusual features of a recombinant apple $\alpha$ -farnesene synthase"; <i>Phytochemistry</i> 68(2):176-188.	
		PECHOUS, S.W. et al. (2004) "Cloning and functional expression of an (E,E)- $\alpha$ -farnesene synthase cDNA from peel tissue of apple fruit"; <i>Planta</i> 219(1):84-94.	
		PHILLIPS, M.A. et al. (2003) "cDNA isolation, functional expression, and characterization of (+)- $\alpha$ -pinene synthase and (-)- $\alpha$ -pinene synthase from loblolly pine ( <i>Pinus taeda</i> ): Stereocontrol in pinene biosynthesis"; <i>Archives of Biochemistry and Biophysics</i> 411(2):267-276.	

Examiner Signature	/Phuong Bui/	Date Considered	07/14/2007
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9/19/05

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number	10/531,357
Filing Date	04/14/2005
First Named Inventor	Green et al.
Art Unit	1742
Examiner Name	Not assigned
Attorney Docket Number	38-05


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/PB/	1	6,008,043	12/28/1999	Croteau et al	
↓	2	5,487,983	01/30/1996	Kim et al.	
↓	3	5,264,558	11/23/1993	Kim et al.	

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/PB/	4	WO 00/17327	03/30/2000	Chappell et al.		
↓	5	WO 99/15624	04/01/1999	Croteau et al.		
↓	6	JP 2000245482	09/12/2000			

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/PB/	7	Altschul et al. (1997) "Gapped BLAST and PSI-BLAST: A New Generation of Protein Database Search Programs," <i>Nuc. Acids Res.</i> 25(17):3389-3402	
	8	Bengtsson et al. (2001) "Plant Odor Analysis of Apple: Antennal Response of Codling Moth Females to Apple Volatiles during Phenological Development," <i>J. Agric. Food Chem.</i> 49:3736-3741	
	9	Benfey et al. (1989) "Regulated Genes in Transgenic Plants," <i>Science</i> 244:174-181	
	10	Bohlmann et al. (1998) "Plant Terpenoid Synthases: Molecular Biology and Phylogenetic Analysis," <i>Proc. Natl. Acad. Sci. USA</i> 95:4126-4133	
	11	Cai et al. (2002) "A cDNA Clone for $\beta$ -Caryophyllene Synthase from <i>Artemisia annua</i> ," <i>Phytochem.</i> 61:523-529	
	12	Cane et al. (1999) "Trichodiene Synthase: Mechanism-Based Inhibition of a Sesquiterpene Cyclase," <i>Bioorg. Med. Chem. Lett.</i> 9:1127-1132	
	13	Chen et al. (1996) "Cloning and heterologous expression of a second (+)-delta-cadinene synthase for <i>Gossypium arboreum</i> "; <i>J. Nat. Prod.</i> 59(10):944-951 (Abstract only)	

Examiner Signature	/Phuong Bui/	Date Considered	07/14/2007
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		Filing Date	04/14/2005
		First Named Inventor	Green et al.
		Art Unit	1742
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/PB/	14	Croteau et al. (2000) <i>Biochemistry and Molecular Biology of Plants</i> , Buchanan et al. Eds., American Society for Plant Physiologists, pp.1250-1318	
	15	Davies (1990) "Gas Chromatographic Retention Indices of Monoterpenes and Sesquiterpenes on Methyl Silicone and Carbowax 20M Phases," <i>J. Chrom.</i> 503:1-24	
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	17	Dellaporta et al. (1983) "A Plant DNA Miniprep: Version II," <i>Plant Mol. Biol. Reporter</i> 1(4):19-21	
	18	Duderava et al. (2003) "(E)- $\beta$ -Ocimene and Myrcene Synthase Genes of Floral Scent Biosynthesis in Snapdragon: Function and Expression of Three Terpene Synthase Genes of a New Terpene Synthase Subfamily," <i>Plant Cell</i> 15:1227-1241	
	19	Emanuelsson et al. (2000) "Predicting Subcellular Localization of Proteins Based on their N-terminal Amino Acid Sequence," <i>J. Mol. Biol.</i> 300:1005-1016	
	20	Fan et al. (1999) "Development of Apple Superficial Scald, Soft Scald, Core Flush, and Greasiness Is Reduced by MCP," <i>J. Agric. Food Chem.</i> 47:3063-3068	
	21	Fischbach (2001) "Putative Chloroplast Terpene Synthase," <i>Genbank</i> CAC41012	
	22	Ju et al. (2000) "Cuticular Phenolics and Scald Development in "Delicious" Apples," <i>J. Am. Soc. Hortic. Sci.</i> 125(4):498-504	
	23	Ju et al. (2000) "Lovastatin Inhibits $\alpha$ -Farnesene Biosynthesis and Scald Development in "Delicious" and "Granny Smith" Apples and "d'Anjou" Pears," <i>J. Am. Soc. Hortic. Sci.</i> 125(5):626-629	
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	27	Kawasaki et al. (1996) "Specific Regulation of Gene Expression by Antisense Nucleic Acids: A Summary of Methodologies and Associated Problems," <i>Artific. Organs</i> 20(8):836-848	
	28	Lange et al. (2000) "Isoprenoid Biosynthesis: The Evolution of Two Ancient and Distinct Pathways Across Genomes," <i>Proc. Natl. Acad. Sci. USA</i> 97(24):13172-13177	
	29	Langenkamper et al. (1998) "Sucrose-Phosphate Synthase Steady-State mRNA Increases in Ripening Kiwifruit," <i>Plant Mol. Biol.</i> 36:857-869	
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✓	31	Llave et al. (2002) "Cleavage of <i>Scarecrow</i> -like mRNA Targets Directed by a Class of <i>Arabidopsis</i> miRNA," <i>Science</i> 297:2053-2056	
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	Art Unit	1742
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/PB/		Lucker et al (2002) "Citrus limon" <i>Genbank</i> AF514288	
	32	Luehrsen (1991) "Intron Enhancement of Gene Expression and the Splicing Efficiency of Introns in Maize Cells," <i>Mol. Gen. Genet.</i> 225:81-93	
	33	Matich et al. (1996) "Solid Phase Microextraction for Quantitative Headspace Sampling of Apple Volatiles," <i>Anal. Chem.</i> 68:4114-4118	
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	35	Napoli et al. (1990) "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes in Trans," <i>Plant Cell</i> 2:279-290	
	36	Needleman et al. (1970) "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," <i>J. Mol. Biol.</i> 48:443-453	
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	39	Pearson (1990) "Rapid and Sensitive Sequence Comparison with FASTP and FASTA," <i>Methods in Enzymol.</i> 183:63-98	
	40	Pechous et al. (2002) "Cloning and Functional Expression of an (E,E) - Alpha-Farnesene Synthase cDNA from Peel Tissue of Apple Fruit," <i>Gene</i> <i>Accession #</i> AAO22848	
	41	Robinson-Benion et al. (1995) "Antisense Techniques," <i>Methods in Enzymol.</i> 254:363-375	
	42	Rowan et al. (2001) "Conjugated Triene Oxidation Products of $\alpha$ -Farnesene Induce Symptoms of Superficial Scald on Stored Apples," <i>J. Agric. Food. Chem.</i> 49:2780-2787	
	43	Rupasinghe et al. (1998) "Biosynthesis of $\alpha$ -Farnesene and Its Relation to Superficial Scald Development in "Delicious" Apples," <i>J. Am. Soc. Hortic. Sci.</i> 123(5):882-886	
	44	Rupasinghe et al. (2000) "Sesquiterpene $\alpha$ -Farnesene Synthase: Partial Purification, Characterization, and Activity in Relation to Superficial Scald Development in Apples," <i>J. Am. Soc. Hortic. Sci.</i> 125(1):111-119	
	45	Shelton et al. (2003) "Putative Monoterpene Synthase," <i>Genbank</i> AAP40638	
	46	Steele et al. (1998) "Sesquiterpene Synthases from Grand Fir ( <i>Abies grandis</i> )," <i>J. Biol. Chem.</i> 273(4):2078-2089	
	47	Trapp et al. (2001) "Genomic Organization of Plant Terpene Synthases and Molecular Evolutionary Implications," <i>Genetics</i> 158:811-832	
✓	48	Van Geldre et al. (2000) "Cloning and Molecular Analysis of Two New Sesquiterpene Cyclases from <i>Artemisia annua</i> L," <i>Plant. Sci.</i> 158:163-171	

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/PB/ ↓  ↓	49	Voinnet et al. (2003) "An Enhanced Transient Expression System in Plants Based on Suppression of Gene Silencing by the p19 Protein of Tomato Bushy Stunt Virus," <i>Plant J.</i> 33:949-956		
	50	Watkins et al. (1993) "Relationships Between Alpha-Farnase, Ethylene Production and Superficial Scald Development of Apples," <i>Acta. Hort.</i> 343:155-160		
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	52	Yang et al. (2002) "Geraniol Synthase," <i>Genbank</i> CAD29734		
	53	Zubay et al. (1973) "In Vitro Synthesis of Protein in Microbial Systems," <i>Annu. Rev. Genet.</i> 7:267-287		

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